

MAR 02, 2009 2:55 PM WELLS00930\03\0085\03514086G-COMMAND POST\CADD\TYPE B1 DESIGN SERVICES\ELEC\SHEET\E-001.DWG -- Work

ELECTRICAL LEGEND – PLANS	
	HOMERUN TO PANEL UOR1A INDICATES PANEL 1,3,5 INDICATES CIRCUIT NUMBERS
	CONDUIT RUN CONCEALED IN WALL OR CEILING
	CONDUIT RUN EXPOSED
	CONDUIT RUN CONCEALED UNDER FLOOR
	LONG SLASHES INDICATE NEUTRAL. SHORT SLASHES INDICATE INDICATE HOT WIRE. SHORT DIAGONAL SLASHES INDICATE SWITCHLEG FROM LIGHT SWITCH. SLASHES WITH DOT INDICATE GROUND, #12 AWG CONDUCTOR MIN.
	CONDUIT RUN TURNED UP
	CONDUIT RUN TURNED DOWN
	FIRST LETTER WITH NUMBER INDICATES FIXTURE TYPE, NEXT NUMBER INDICATES CIRCUIT NUMBER(S) AND LOWER CASE LETTER(S) INDICATE SWITCHING
	SURFACE MOUNTED FLUORESCENT FIXTURE
	RECESSED, FLUORESCENT FIXTURE, FLEXIBLE CONNECTION TO FIXTURE
	WALL OR CEILING MOUNTED INCANDESCENT OR HID FIXTURE
	EMERGENCY WALL PACK
	WALL OR CEILING MOUNTED EXIT FIXTURE WITH OR WITHOUT ARROW AS INDICATED, SHADED PORTION INDICATES FACE ORIENTATION
	DUPLEX CONVENIENCE RECEPTACLE, 120V, SINGLE PHASE, GROUNDING TYPE, 12" A.F.F. EXCEPT AS NOTED
	SINGLE RECEPTACLE, 120V, SINGLE PHASE, GROUNDING TYPE, 12" A.F.F. EXCEPT AS NOTED
	EMERGENCY POWER RECEPTACLE
	QUADRUPLX CONVENIENCE RECEPTACLE, 120V, SINGLE PHASE, GROUNDING TYPE, 12" A.F.F. EXCEPT AS NOTED
	FLOOR RECESSED QUADRUPLX CONVENIENCE RECEPTACLE, 125V, SINGLE PHASE, GRNDING TYPE, NEMA 5-20R EXCEPT AS NOTED
	ABOVE THE COUNTER GFI DUPLEX RECEPTACLE, 120V, SINGLE PHASE, GROUNDING TYPE, 48" AFF EXCEPT AS NOTED
	CIRCUIT BREAKER PANEL – SEE SCHEDULES
	WALL OR CEILING MOUNTED SMOKE DETECTOR
	HEAT DETECTOR
	FIRE ALARM LOCAL PULL STATION
	FIRE ALARM HORN & VISUAL UNIT WITH CANDELA INTENSITY INDICATED
	FIRE ALARM VISUAL UNIT ONLY WITH CANDELA INTENSITY INDICATED
	WALL OR CEILING MOUNTED JUNCTION BOX, CONFIGURATION VARIES WITH USE
	EXISTING OUTLET TO RM. 115, 20" A.F.F. PROVIDE 4 PORT COMM. OUTLET, B106 STATION OUTLET IDENTIFIER
	TELEVISION OUTLET, MOUNT 20" AFF EXCEPT AS NOTED
	PUBLIC ADDRESS HORN / SPEAKER

ELECTRICAL LEGEND – PLANS (CONT.)	
	SINGLE POLE SWITCH
	THERMAL DISCONNECT SWITCH
	MOTOR OUTLET. ESTIMATED H.P. AS INDICATED
	CONTROL PANEL
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	PULL BOX
	OVERHEAD PROJECTOR
	CEILING MOUNTED MULTIMEDIA SPEAKER
	CEILING MOUNTED PA SPEAKER
	SPEAKER VOLUME CONTROL DEVICE
	WIRELESS ACCESS POINT
	MICROPHONE
	MECHANICAL EQUIPMENT DESIGNATION
A.F.F.	ABOVE FINISHED FLOOR
CKT	CIRCUIT
CTR	COUNTER
EC	ELECTRIC CONTRACTOR
EWC	ELECTRICAL WATER COOLER
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
GFI	GROUND FAULT INTERRUPTER
IG	ISOLATED GROUND
MCC	MOTOR CONTROL CENTER
RGS	RIGID GALVANIZED STEEL
TTB	TELEPHONE TERMINAL BOARD
TTC	TELEPHONE TERMINAL CABINET
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
WP	WEATHER PROOF

LIGHTING FIXTURE SCHEDULE					
FIXT. TYPE	DESCRIPTION	MANUFACTURER & CATALOG NO.	LAMPS/ WATTS	VOLTS	MOUNTING
F1	2 FT. X 4 FT. 3 LAMP RECESSED FLUORESCENT TROFFER, FLUSH STEEL DOOR FRAME, BAKED WHITE ENAMEL FINISH, #12 PRISMATIC ACRYLIC LENS 0.125 INCHES THICK, HPF INSTANT START ELECTRONIC BALAST WITH LESS THAN OR EQUAL TO 10% THD.	LITHONIA: 2SP SERIES METALUX: GS SERIES COLUMBIA: 4PS SERIES DAYBRITE: 2SP SERIES	3-32W T8, 4100 DEG K, 90 TOTAL INPUT WATTS	120	RECESSED IN GRID OR GYPBOARD CEILING.
F2	2 FT. X 2FT. 2 LAMP RECESSED FLUORESCENT TROFFER, FLUSH STEEL DOOR FRAME, BAKED ON WHITE ENAMEL FINISH, #12 PRISMATIC ACRYLIC LENS, 0.125 INCHES THICK, HPF INSTANT START ELECTRONIC DIMMING BALLAST WITH LESS THAN OR EQUAL TO 10% THD.	LITHONIA: 2SP SERIES METALUX: GS SERIES COLUMBIA: 4PS SERIES DAYBRITE: 2SP SERIES	2-40W-TT BIA X, 4100 DEG. K, 80 TOTAL INPUT WATTS	120	RECESSED IN GRID OR GYPBOARD CEILING.
					WHERE RECESSED IN GYPBOARD CEILING PROVIDE FRAME FOR RECESSING FIXTURE
					WHERE RECESSED IN GYPBOARD CEILING PROVIDE FRAME FOR RECESSING FIXTURE

PANEL ECP									
100 A		MCB 100A RATED BUS		208 Y / 120 VOLT		3 PHASE 4 WIRE		SURFACE MOUNTED	
VOLT- AMP	CIR. NO.	LOAD	CB	P	Ø	P	CB	LOAD	CIR. NO.
1630	1	LIGHTING COMMAND POST, RM. 100, 101, 102, 103, 104, 105	20	1	A	1	20	RECEPT. RM. 100, ADMIN. / NCOIC	2
300	3	RECEPT. RM. 101, LATRINE	20	1	B	1	20	RECEPT. RM. 100, ADMIN., PRINTER	4
600	5	RECEPT. RM. 100, ADMIN/NCOIC, COUNTER	20	1	C	1	20	RECEPT. RM. 100 ADMIN. PRINTER	6
900	7	RECEPT. RM. 100 ADMIN/NCOIC, MICROWAVE	20	1	A	1	20	RECEPT. RM. 100 ADMIN. NCOIC, COMM. BOX	8
1200	9	RECEPT. RM. 100 ADMIN/NCOIC, FRIDGE	20	1	B	1	20	RECEPT. RM. 105, BATTLECAB	10
720	11	RECEPT. RM. 102, 103, 104	20	1	C	1	20	RECEPT. RM. 105, BATTLECAB	12
500	13	SIPRNET	20	1	A	1	20	RECEPT. RM. 105, BATTLECAB, FLOOR	14
900	15	RECEPT. RM. 104	20	1	B	1	20	PROJECTOR RM. 104, CONSOLE	16
360	17	RECEPT. RM. 104, FLOOR	20	1	C	1	20	RECEPT. FOR MULTIMEDIA EQUIPMENT, RM. 104	18
600	19	EXISTING COMM. RM. 115	20	1	A	1	20	PROJECTOR RM. 104, CONSOLE	20
400	21	EXISTING COMM. RM. 115	20	1	B	1	20	RECEPT. FOR TV, RM. 105	22
300	23	SECURITY PANEL RM. 128	20	1	C	1	20	SPARE	24
	25	SPARE	20	1	A	1	20	SPARE	26
	27	SPARE	20	1	B	1	20	SPARE	28
	29	SPARE	20	1	C	1	20	SPARE	30
CIRCUIT BREAKERS SHALL HAVE A MINIMUM INTERRUPTING RATING OF 10000 RMS SYMMETRICAL AMPERES.									
TOTAL CONNECTED LOAD =15.1 KVA				TOTAL DEMAND LOAD =15.1 KVA					
PROVIDE A NEMA 1 ENCLOSURE				PROVIDE COPPER GROUND BUS					

PROVIDE INTEGRAL TVSS

DATE	REVISION



183rd Fighter Wing  
Illinois Air National Guard



HANSON PROJECT FILENAME: E-001.DWG SCALE: NO SCALE DATE: 3/2/09		
LAYOUT	PJC	08/20/08
DRAWN	PJC	01/20/09
REVIEWED	RDN	01/20/09



ELECTRICAL LEGEND & SCHEDULES

COMMAND POST (CP) RELOCATION  
183D FIGHTER WING  
SPRINGFIELD, IL

E0.1